Scenario Worksheet

Practice and Scenario Description:

Practice and Scenario Descript	ion:	1
Information Type	Data	
Region	Delta States	
State	Louisiana	
Discipline Group	Environmental Engineering	
Practice Code/Name	313 - Waste Storage Facility	
Scenario ID	9	
Scenario Name	Dry stack, earthen floor, wood wall	
Scenario Description	and ground water. Potential Associated practices: 342-C	at agronomical rates. This practice will address soil and water quality by reducing the pollution potential to soil, surface water ritical Area Planting, 362-Diversion, 561-Heavy Use Area Protection, 367-Roofs and Covers, 558-Roof Runoff Structure, 317-ling, 634-Waste Transfer, 635-Vegetated Treatment Area
Before Practice Situation After Practice Situation	or other location, or are being transpo and pathogens being transported into The typical is 4,000 SqFt (40' x 100'). T treated wood (2" x 8" boards), 4' x 6" are being controlled, by the collection	ducts are not being utilized or controlled in an environmentally safe manner. The wastes are either accumulating at the source, orted but not properly utilized or disposed of. This situation poses an environmentally threat of excessive nutrients, organics, os surface and groundwaters, in addition to the use of excessive amounts of fertilizers. The earthen floor will be prepared by stripping the top 1' of soil and roller compacting it back into floor. Walls are 5' pressure x 8' posts set 4'-c-c with 6" concrete curbing. Walls allow for greater storage volume. Manure and other agricultural by-product at the source, and stored temporarily, at an environmentally suitable location, until such time that they are disposed of or in accordance with a nutrient management plan.
Scenario Feature Measure	Square Foot Floor Area	

Scenario Typical Size **Cost Summary:**

Scenario Unit

After Practice Situation Scenario Feature Measure

Cost Category	Scenario Cost	Scenario Cost/Unit
Materials	\$1,683.36	\$0.42
Equipment/Installation	\$6,935.84	\$1.73
Labor	\$1,671.30	\$0.42
Mobilization	\$998.84	\$0.25
Acquisition of Technical Knowledge	\$0.00	\$0.00
Foregone Income	\$0.00	\$0.00
Total	\$11 289 34	\$2.82

Square Foot Floor Area

Square Foot

Cost Details:

Cost Details:							
Cost Category	Component ID	Component Name	Component Description	Unit	Price (\$/unit)	Quantity	Cost
			Treated dimension lumber with nominal				
			thickness equal or less than 2". Includes				
Materials	1044	Dimension Lumber, Treated	lumber and fasteners	Board Foot	\$0.73	1200	\$876.00
			Treated dimension lumber with nominal				
			thickness greater than 2". Includes lumber and				
Materials :	1609	treated	fasteners. Does not include labor.	Board Foot	\$1.16	696	\$807.36
			Steel reinforced concrete formed and cast-in-				
			placed in formed structures such as walls or				
			suspended slabs by chute placement. Typical				
			strength is 3000 to 4000 psi. Includes				
			materials, labor and equipment to transport,				
Equipment/Installation 38	38	Concrete, CIP, formed reinforced	place and finish.	Cubic yard	\$333.36	18	\$6,000.48
			Bulk excavation of common earth including				
			sand and gravel with dozer >100 HP with				
		Excavation, common earth, large	average push distance of 150 feet. Includes				
Equipment/Installation 1223	1223	equipment, 150 ft	equipment and labor.	Cubic Yard	\$3.00	148	\$444.00
			Earthfill, roller or machine compacted,				
Equipment/Installation	49	Earthfill, Roller Compacted	includes equipment and labor	Cubic yard	\$3.32	148	\$491.36
			Labor performed using basic tools such as				
			power tool, shovels, and other tools that do				
			not require extensive training. Ex. pipe layer,				
			herder, concrete placement, materials				
Labor 231	231	General Labor	spreader, flagger, etc.	Hour	\$18.57	90	\$1,671.30
			Equipment >150HP or typical weights greater				
			than 30,000 pounds or loads requiring over				
Mobilization	1140	Mobilization, large equipment	width or over length permits.	Each	\$249.71	4	\$998.84

11/16/2012 1 of 1